COURSE SUMMARY
This course introduces students to the study of logic. This study concerns the language and tools of classical elementary logic (both propositional and predicate) and addresses questions about the relations between artificial and natural languages. It cultivates the ability to translate complex natural language passages into formal claims and arguments with a view to assessing the validity of arguments and the consistency of sets of sentences. The course provides a strong foundation in the methodology of philosophical argumentation.

COURSE AIMS
The aim of this course is to:

- Provide a strong foundation in elementary formal logic.
- Develop students’ engagement with central logical concepts, techniques and rules.
- Promote an active understanding of the philosophical issues surrounding such notions as truth, validity and consistency.

LEARNING OUTCOMES
On successful completion of the course, students will be able to:

KNOWLEDGE AND UNDERSTANDING
K1d demonstrate wide-ranging knowledge of, and recognition of systematic connections between, questions and debates in logic; apply the vocabulary and
employ the techniques of formal logic to articulate and critically assess natural language arguments
K3d show a fine grasp of logical structure and truth-preserving patterns of inference

SUBJECT SPECIFIC SKILLS
S1d make original use of advanced scholarly techniques to clarify and situate ideas and arguments from logic.
S2d engage with unfamiliar material at the forefront of the discipline, selecting and analysing information, questioning assumptions, and critically evaluating competing methodologies, sources of data and arguments

TRANSFERABLE AND PROFESSIONAL SKILLS
T1d take initiative and personal responsibility; work independently, effectively, and to deadlines
T2d respond systematically and creatively to complex, wide-ranging, and unpredictable data, theories, and arguments
T3d display self-direction to produce original, sophisticated, clear, and persuasive presentations (written and oral)

TEACHING AND LEARNING
Teaching and learning strategies for this course will include:
- 15 hours of lectures and exercise-solving sessions
- One 1-hour one-to-one tutorial

Course information and supplementary materials are available on the College’s Virtual Learning Environment (VLE).

Students are required to attend and participate in all the formal and timetabled sessions for this course. Students are also expected to manage their directed learning and independent study in support of the course.

EMPLOYABILITY SKILLS
The study of philosophy cultivates skills that are employable across a range of sectors. These include the abilities to:
- Work independently, creatively, and to deadlines
- Conduct research and explore relevant existing knowledge
- Analyse, contextualise, and interpret complex ideas and materials
- Synthesise and evaluate information against a backdrop of uncertainty
- Solve problems through logical reasoning
• Present findings and opinions in a clear, structured manner, whether orally or in writing
• Engage in collaborative and constructive discussion

**ASSESSMENT**

**FORMATIVE**

Students will be formatively assessed during the course by means of one or more set assignments. These do not count towards the end of year results, but will provide students with developmental feedback, both written and oral.

**SUMMATIVE**

Assessment will be in one form:

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<th>Weighting (%)</th>
<th>Online submission</th>
<th>Duration</th>
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<td>1</td>
<td>Examination</td>
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The examination will be assessed in accordance with the assessment aims set out in the Programme Specification.

**FEEDBACK**

Students will receive formal feedback in a variety of ways: written (including via email correspondence); oral (within one-to-one tutorials or on an ad hoc basis) and indirectly through discussion during group tutorials. Students will also attend the formal meeting, Collections, at the end of Michaelmas and Hilary in which they will receive constructive and developmental feedback on their term’s performance.

Feedback is provided on written assignments (including essays, briefings and reports) and through generic internal examiners’ reports, both of which are posted on the College’s VLE.

**INDICATIVE READING**

Note: Comprehensive and current reading lists for courses are produced annually in the Course Syllabus or other documentation provided to students; the indicative reading list provided below is used as part of the approval/modification process only.

**BOOKS**


INDICATIVE TOPICS

- Informal Notions of Validity
- The Syntax and Semantics of Propositional Logic
- The Syntax and Semantics of Predicate Logic
- Sets and Relations
- Identity

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<td><strong>Date approved</strong></td>
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**Modifications (As per AQF4)**

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